

COMMERCE GENERAL ARCHITECTURE

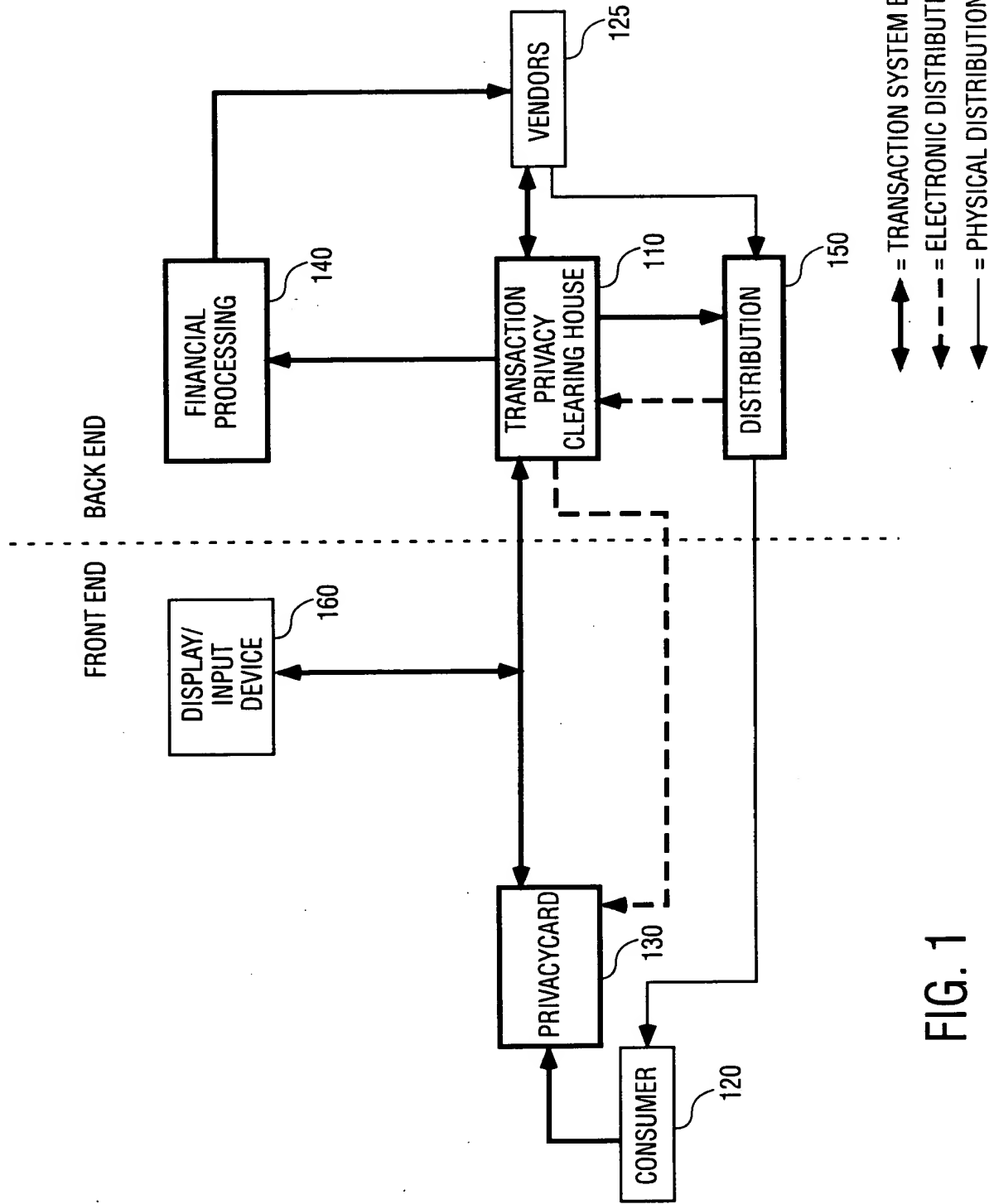


FIG. 1

COMMERCE GENERAL ARCHITECTURE - POS TERMINAL:

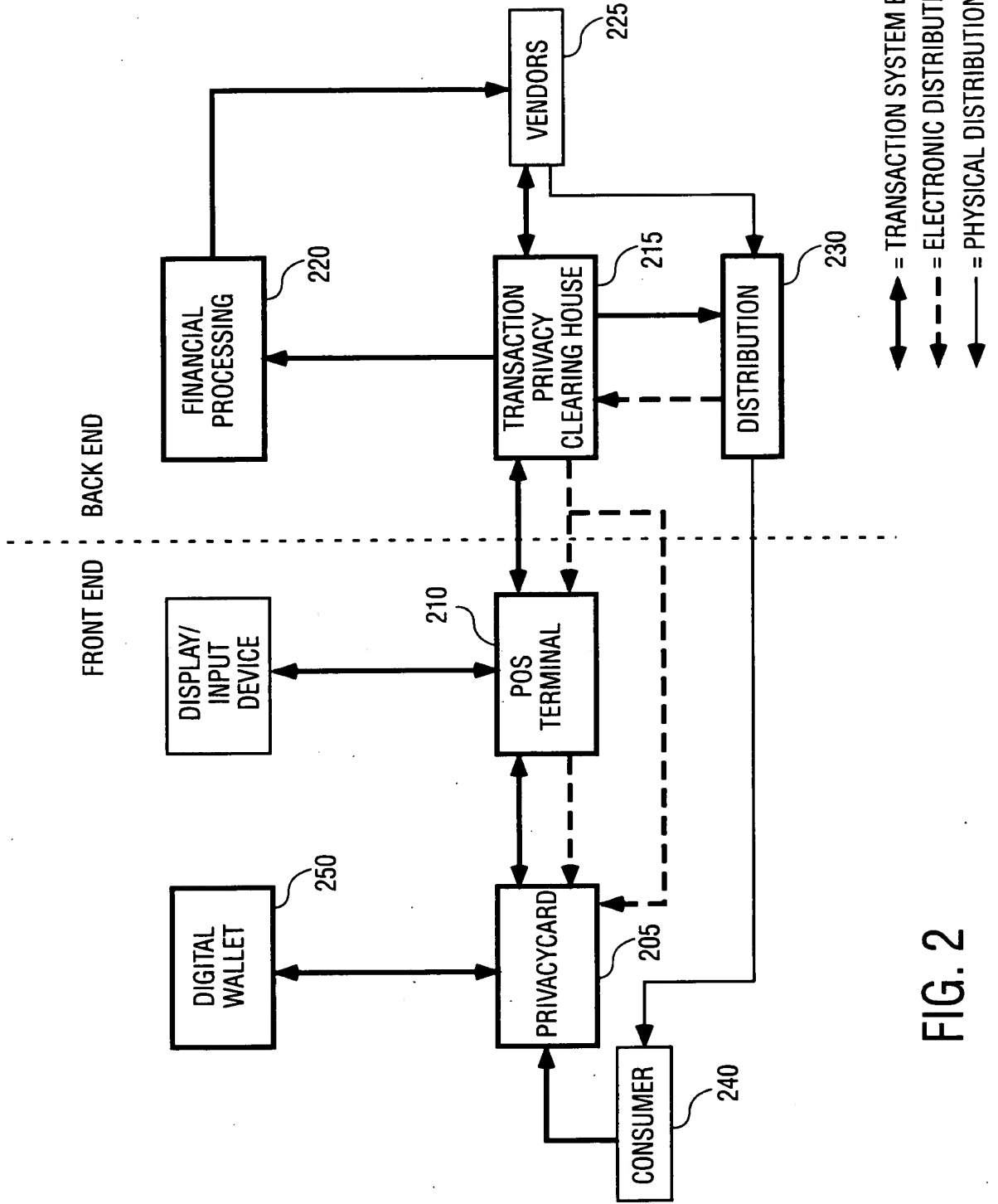


FIG. 2

COMMERCE IN-HOME ENVIRONMENT

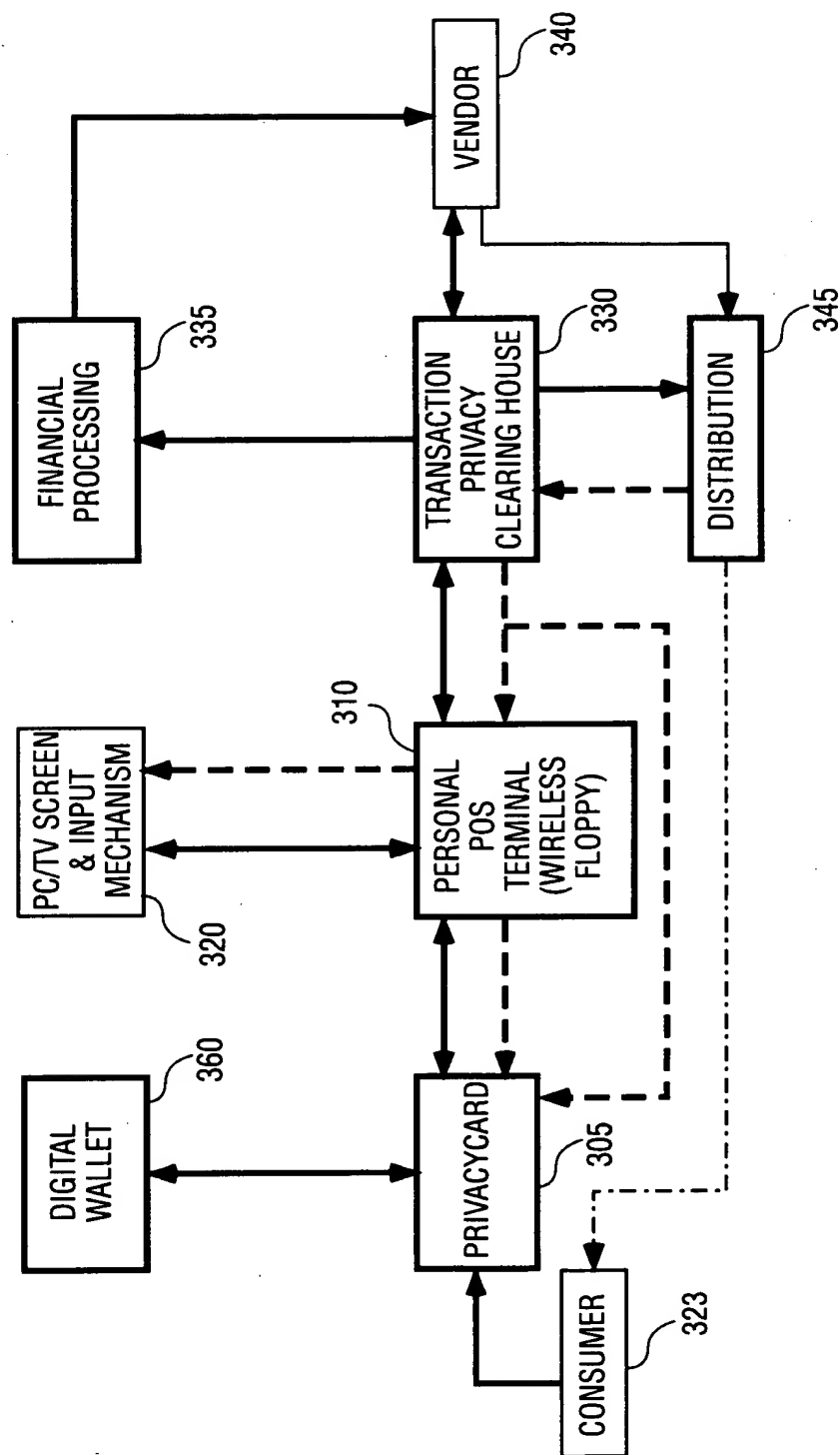


FIG. 3

IN-STORE RETAIL ENVIRONMENT

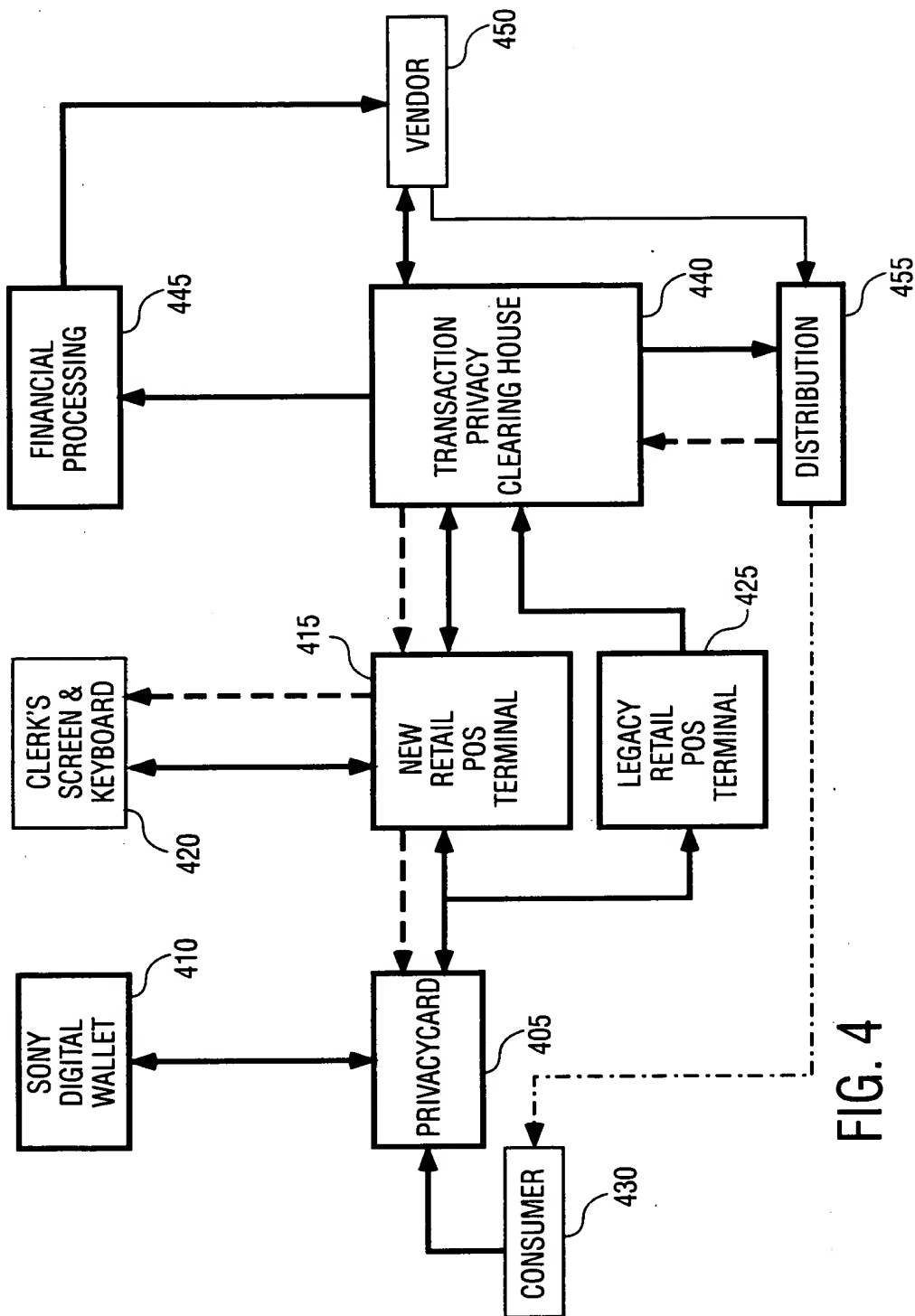
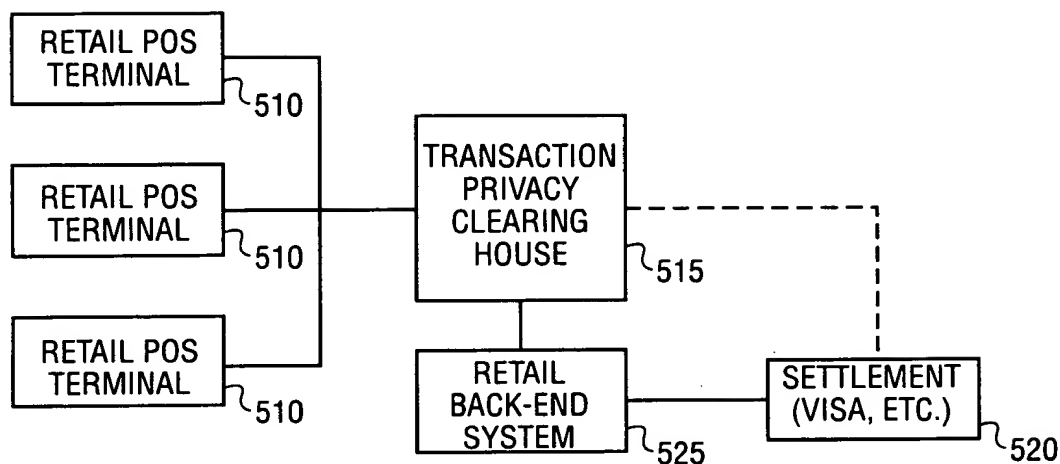
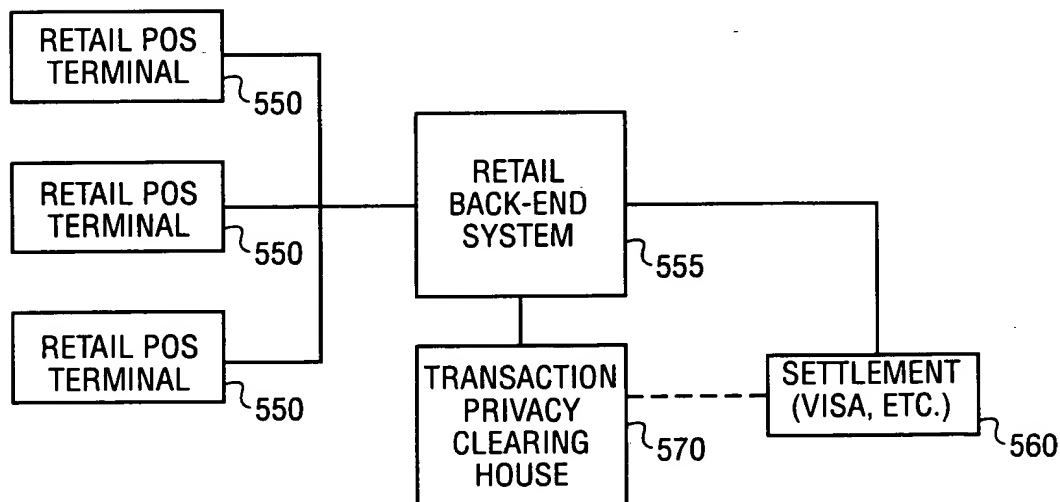


FIG. 4



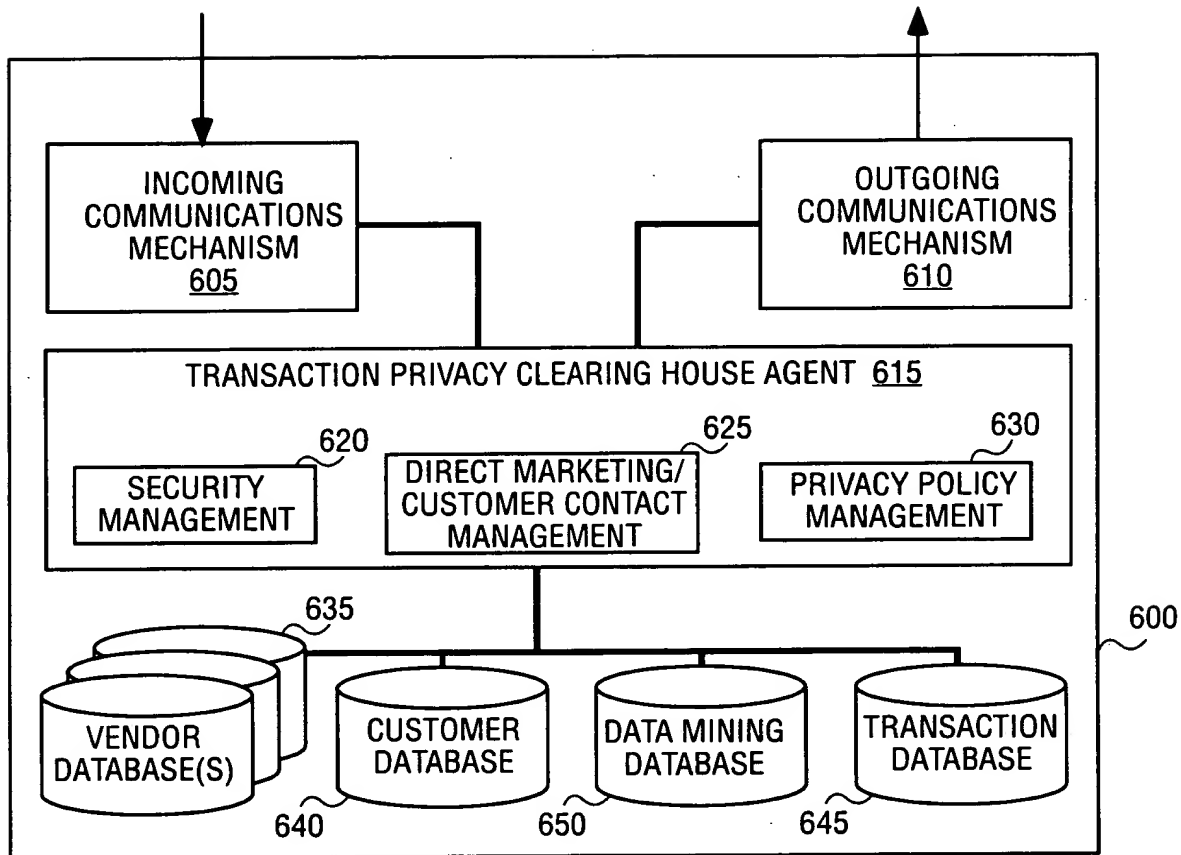
A RETAIL SYSTEM MODIFIED TO
SUPPORT THE INTERACTION OF LEGACY POS TERMINAL WITH
THE DIGITAL WALLET SYSTEM

FIG. 5A



AN ALTERNATIVE EMBODIMENT OF THE RETAIL SYSTEM
MODIFIED TO SUPPORT THE INTERACTION OF LEGACY POS
TERMINALS WITH THE DIGITAL WALLET SYSTEM

FIG. 5B



TRANSACTION PRIVACY CLEARING HOUSE: MAJOR COMPONENTS

FIG. 6

FIG. 7A

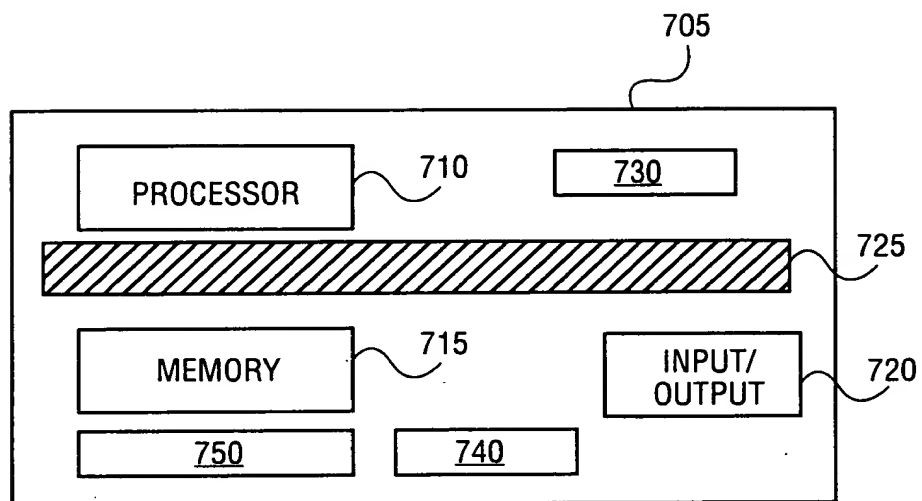


FIG. 7A

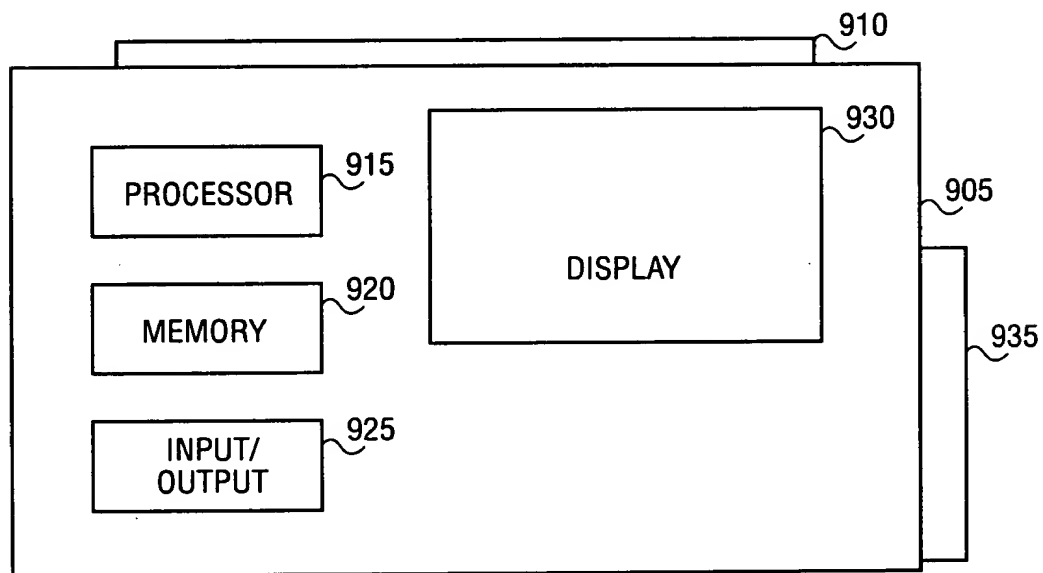


FIG. 9A

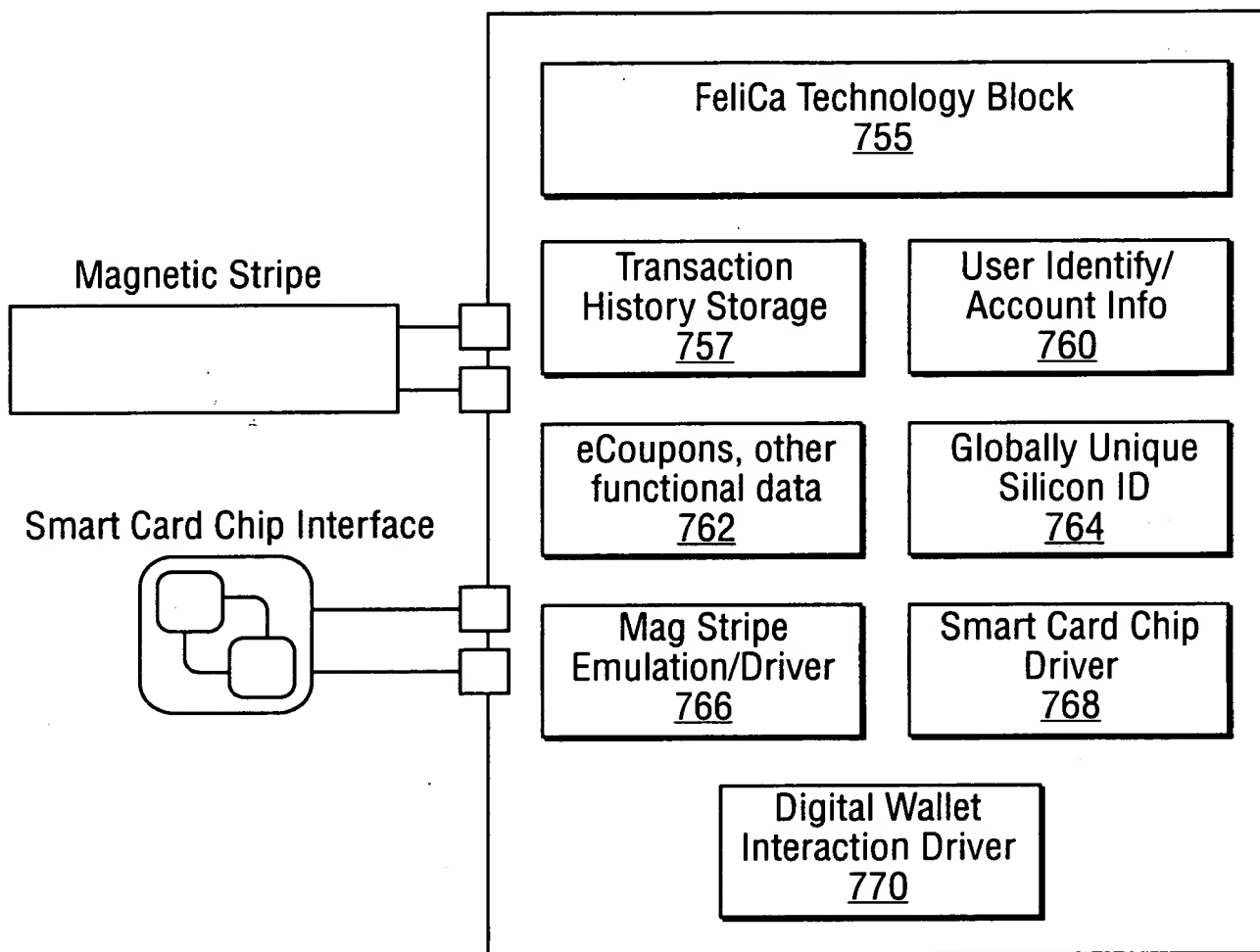


FIG. 7B

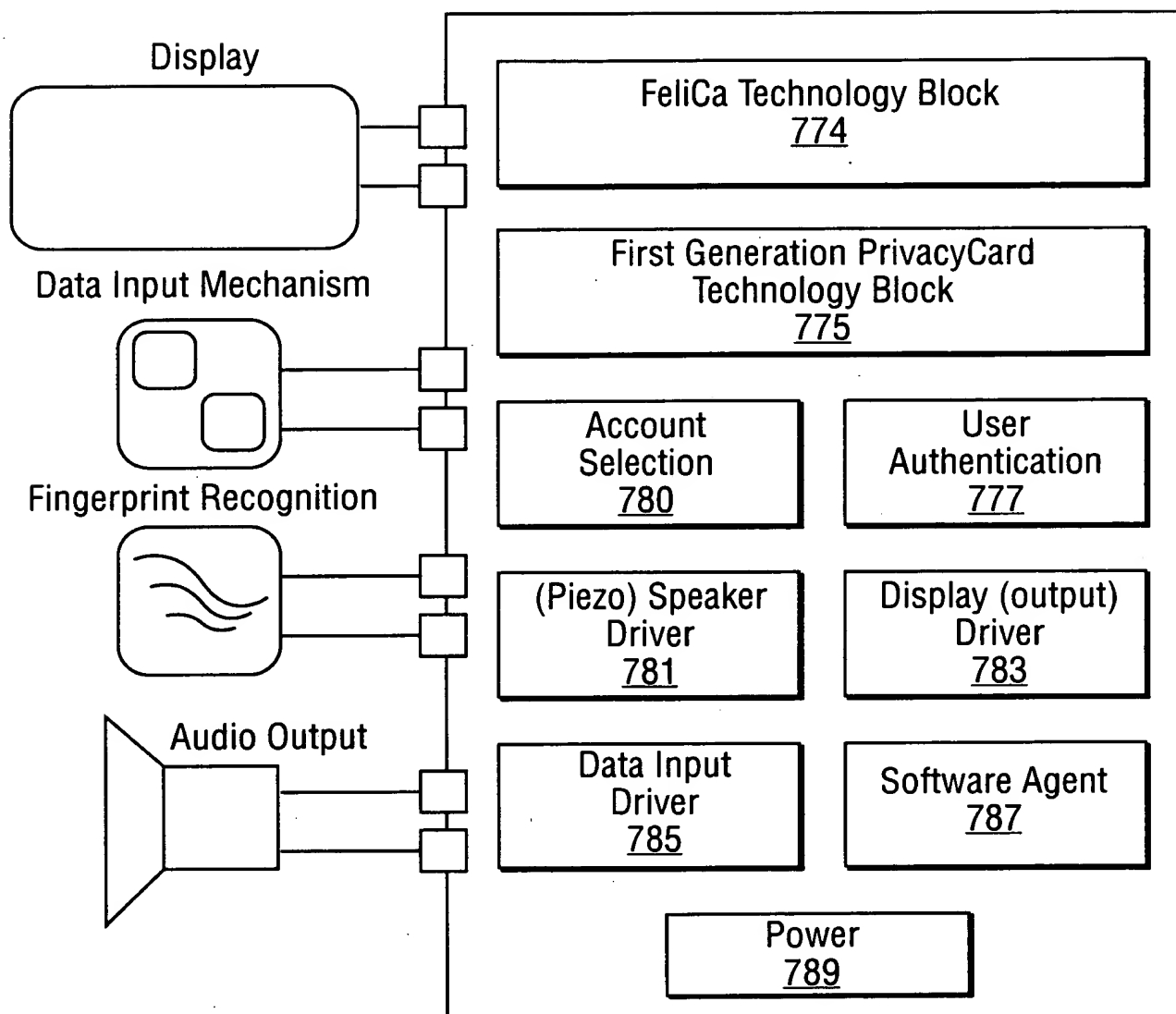
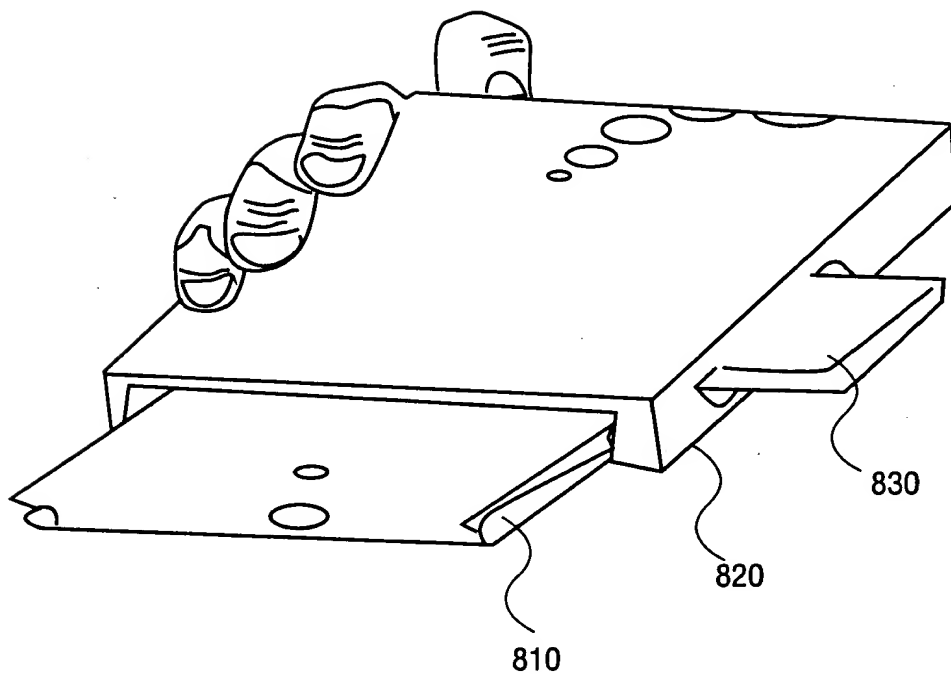


FIG. 7C



DIGITAL WALLET AND PRIVACY CARD

FIG. 8

FIG. 9B

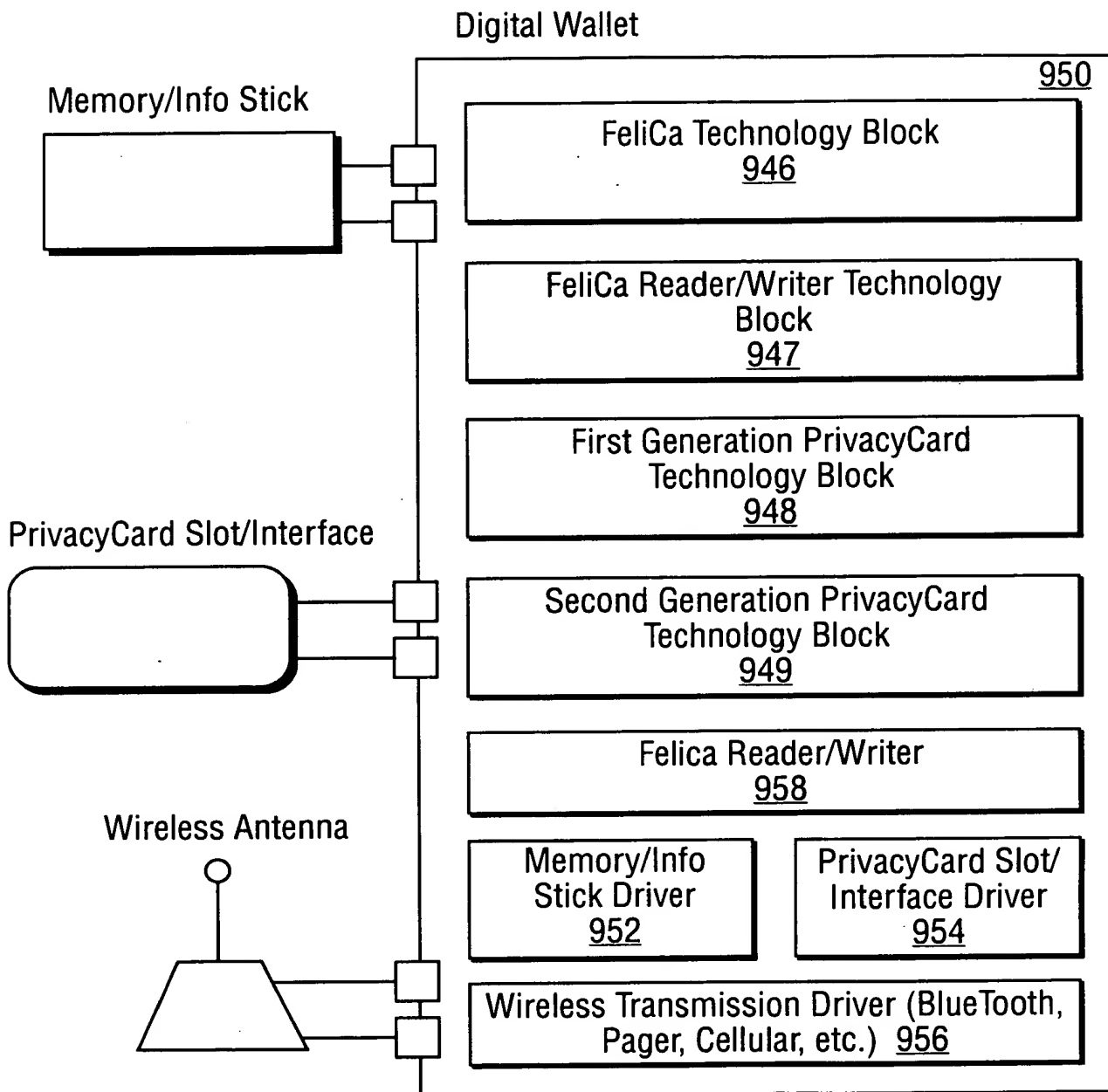
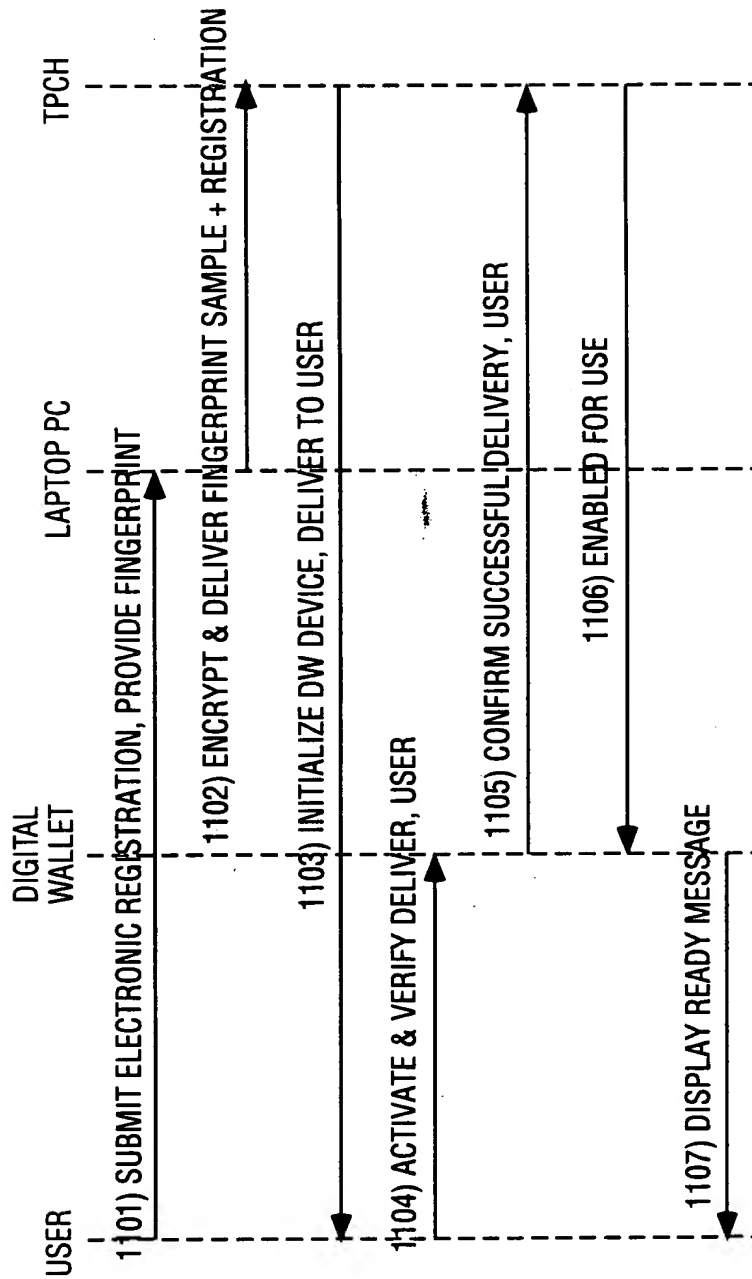


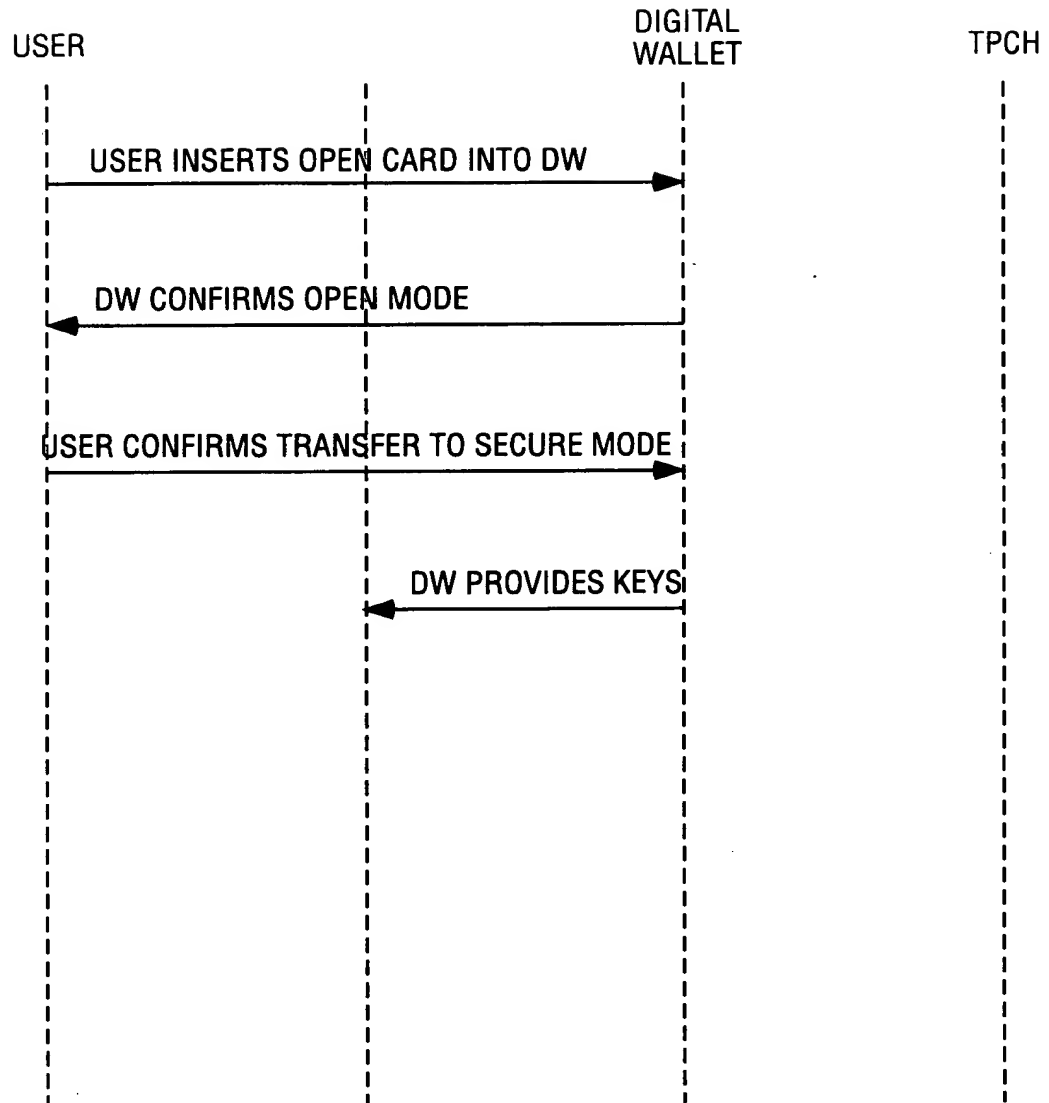
FIG. 9B



DIGITAL WALLET SETUP
(ALTERNATIVE EMBODIMENT)

FIG. 11

09734830 052201
T06250 0E84E260



CONVERSION OF CARD TO SECURE

FIG. 12

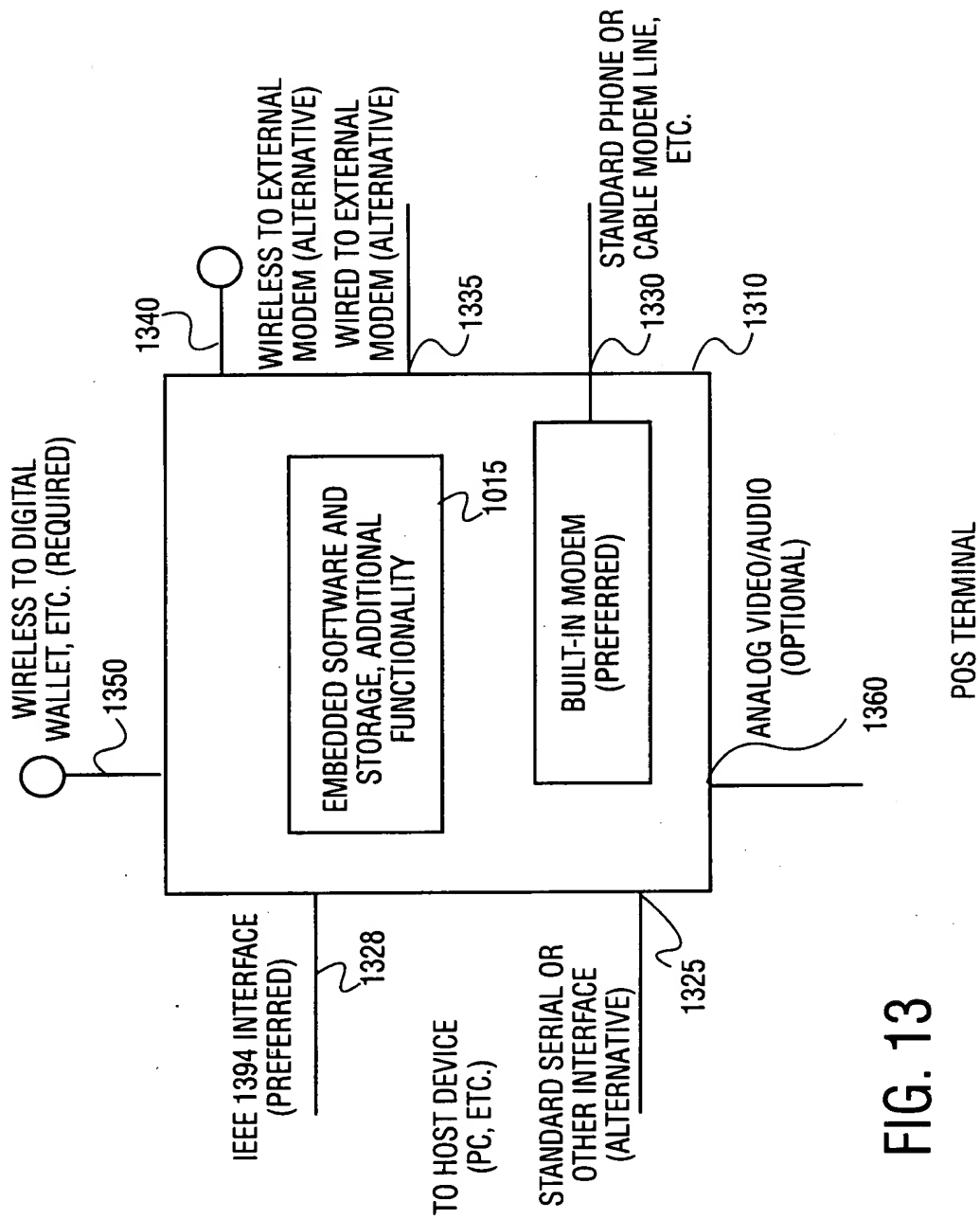


FIG. 13

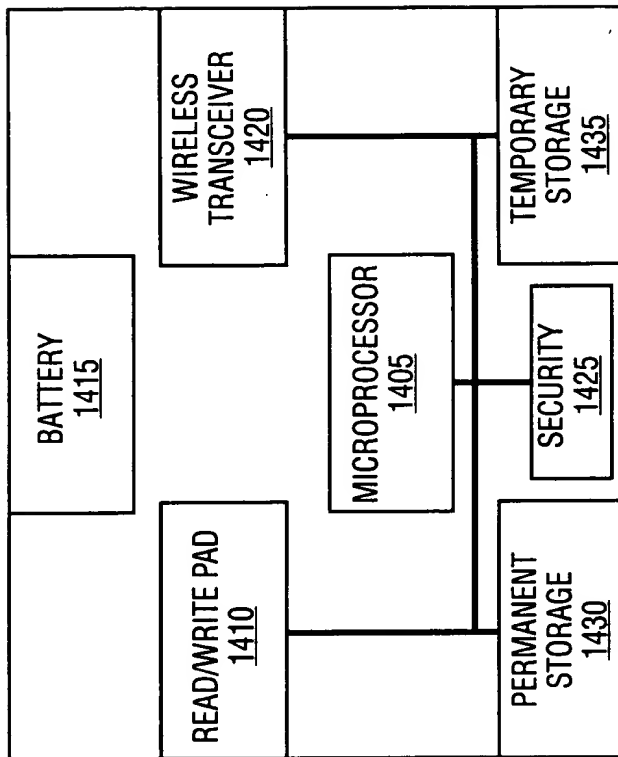


FIG. 14

DIAGRAM OF THE MAJOR COMPONENTS OF THE
PERSONAL POS, SHOWING THE DATA/ADDRESS
BUS INTERCONNECT

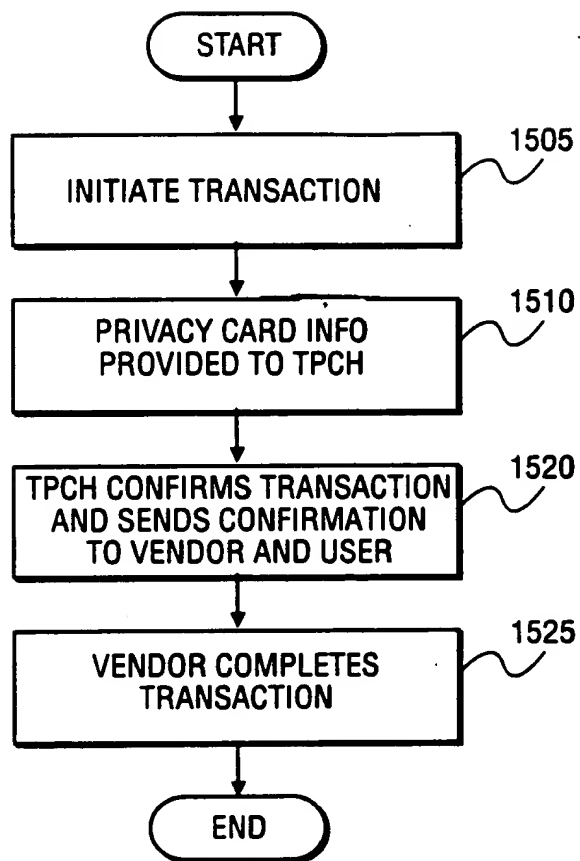


FIG. 15

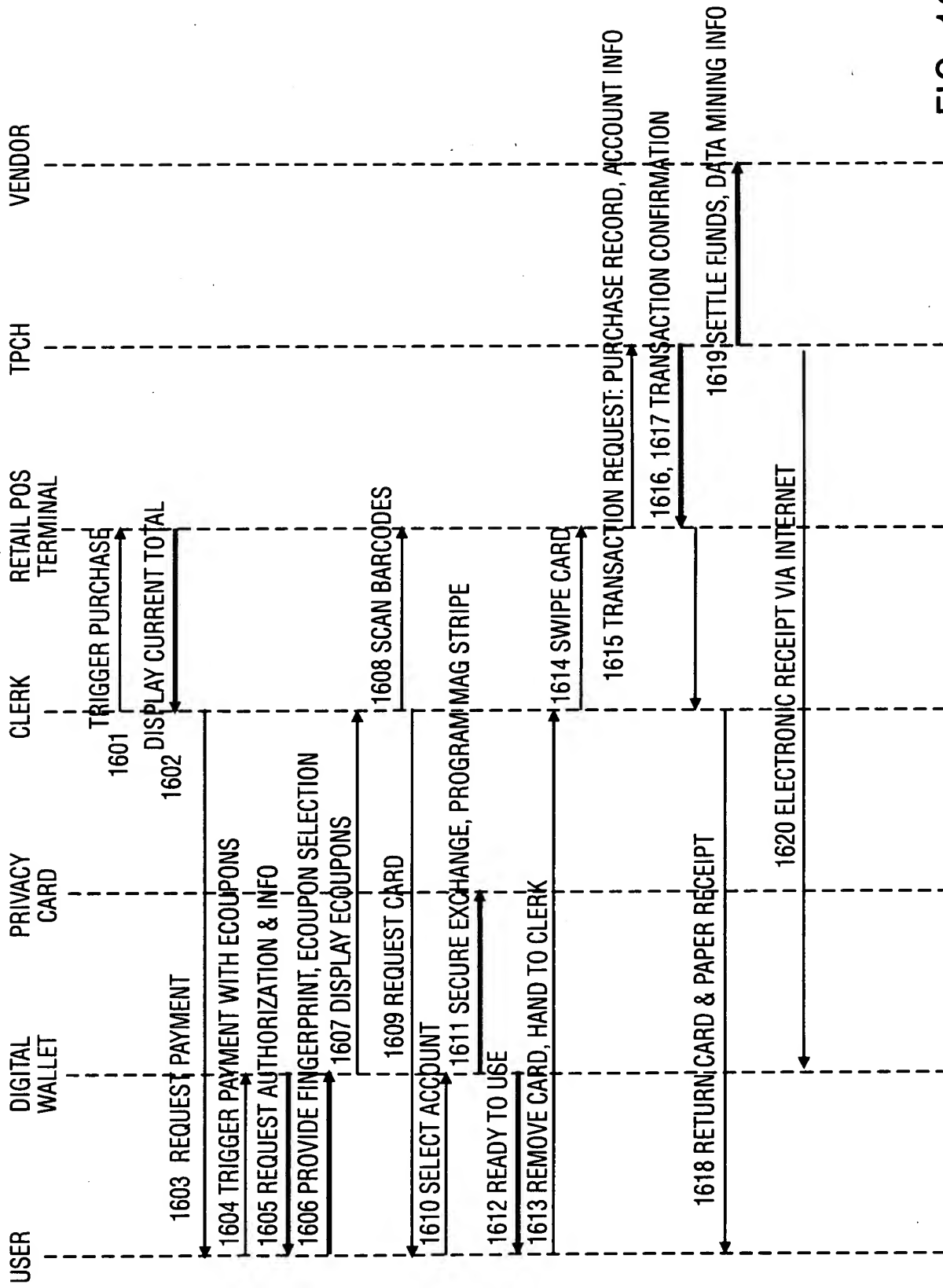


FIG. 16

RETAIL TRANSACTION

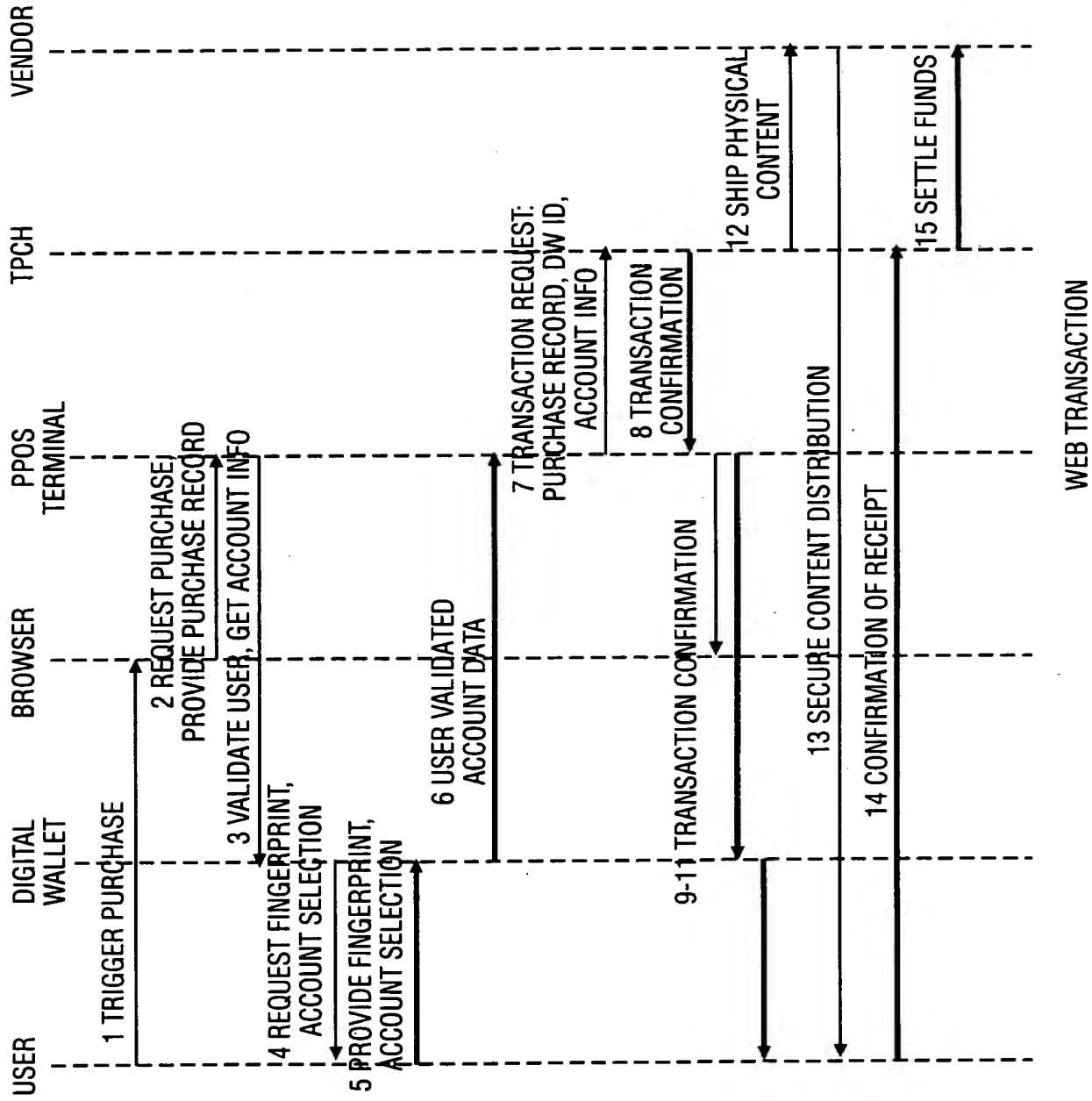
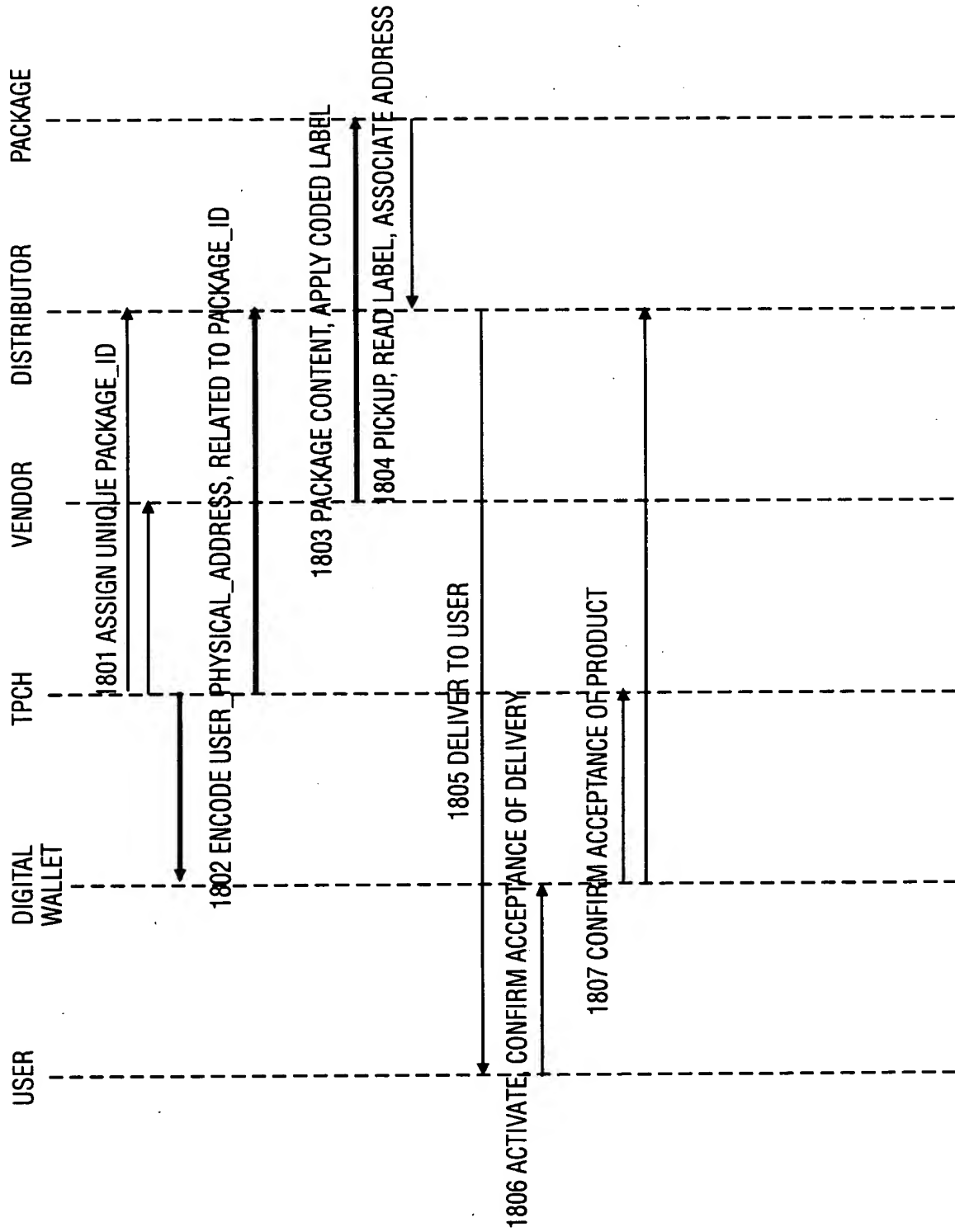


FIG. 17



DELIVERY OF PRODUCT

FIG. 18

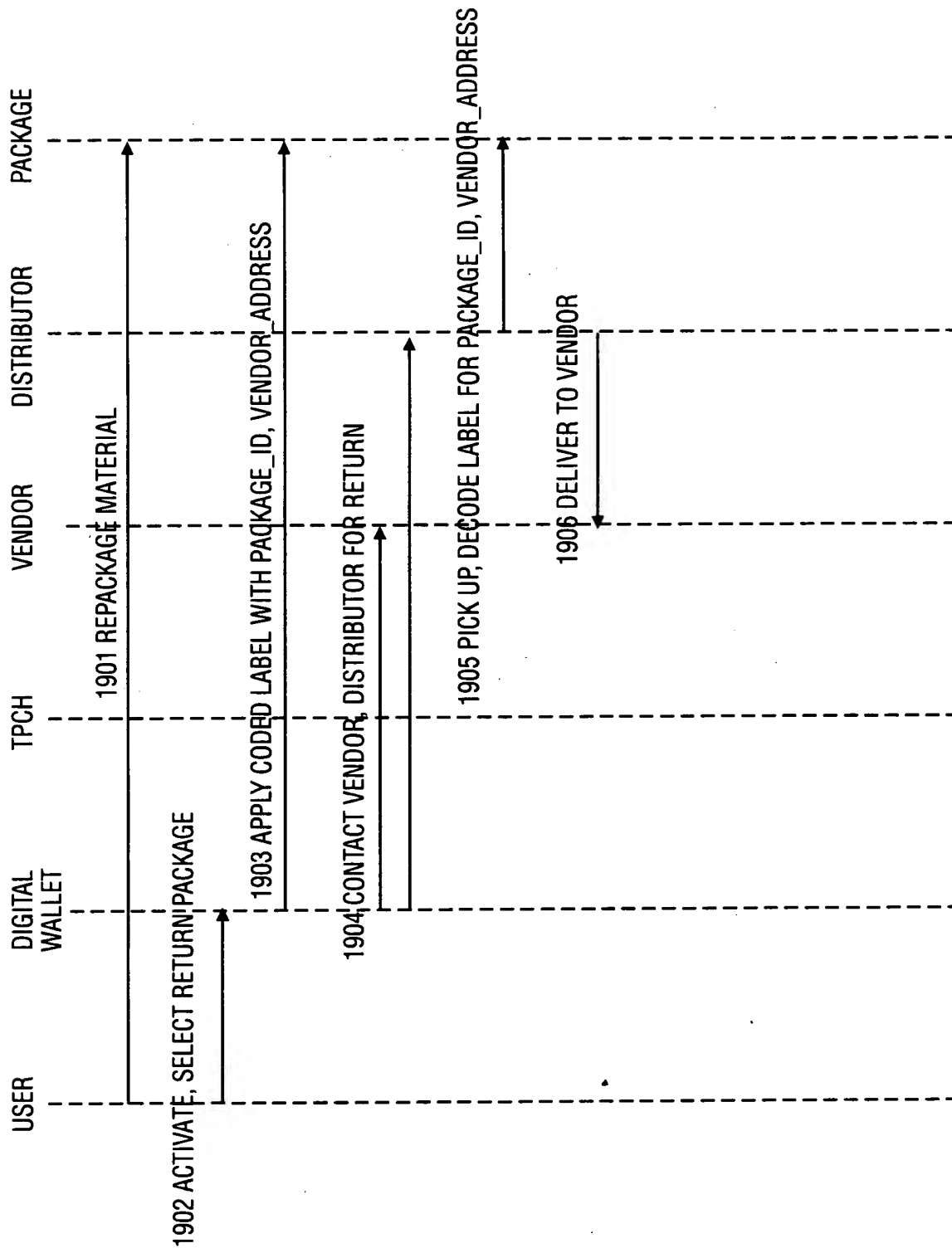
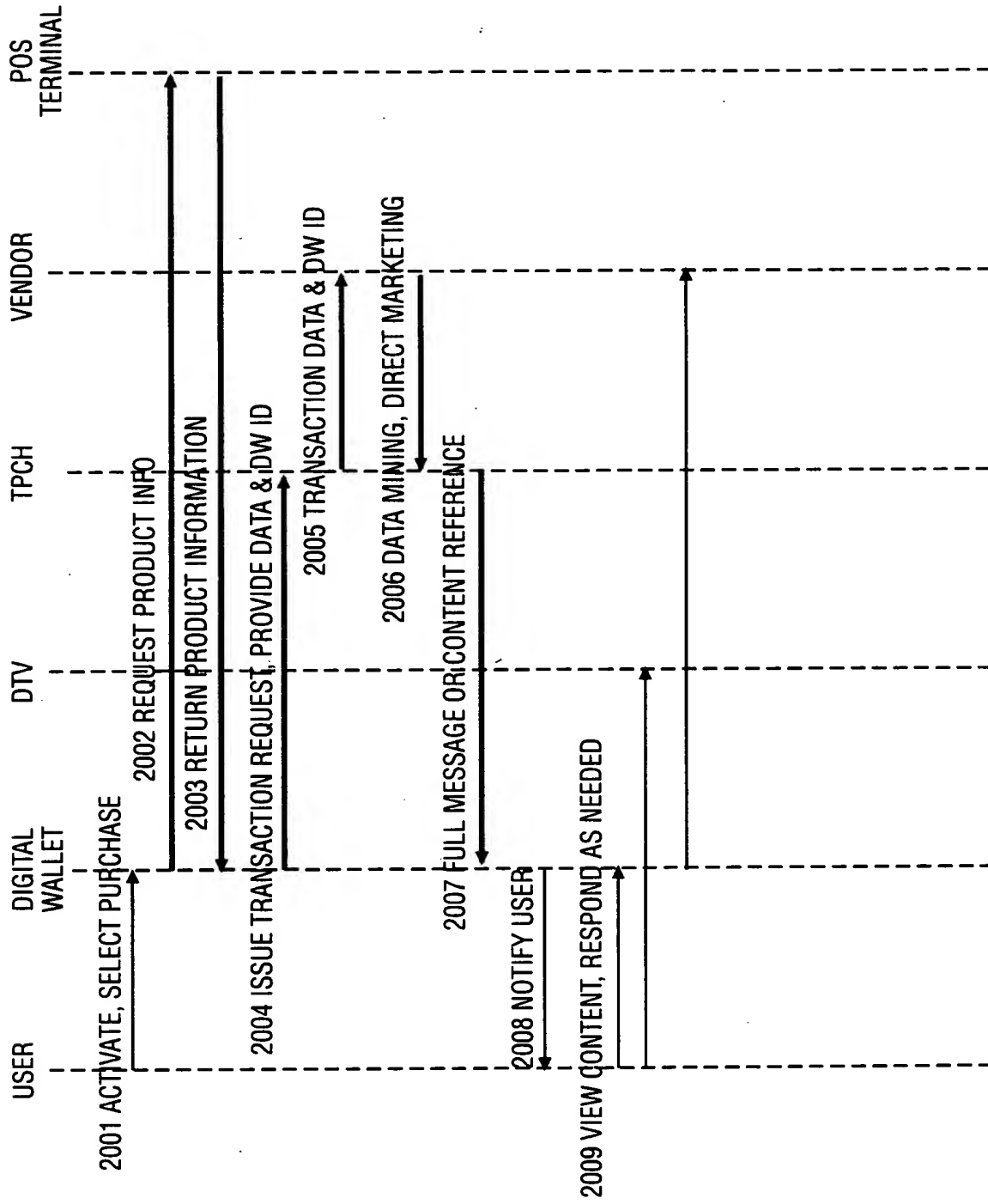


FIG. 19

RETURN OF PRODUCT



DATA MINING

FIG. 20

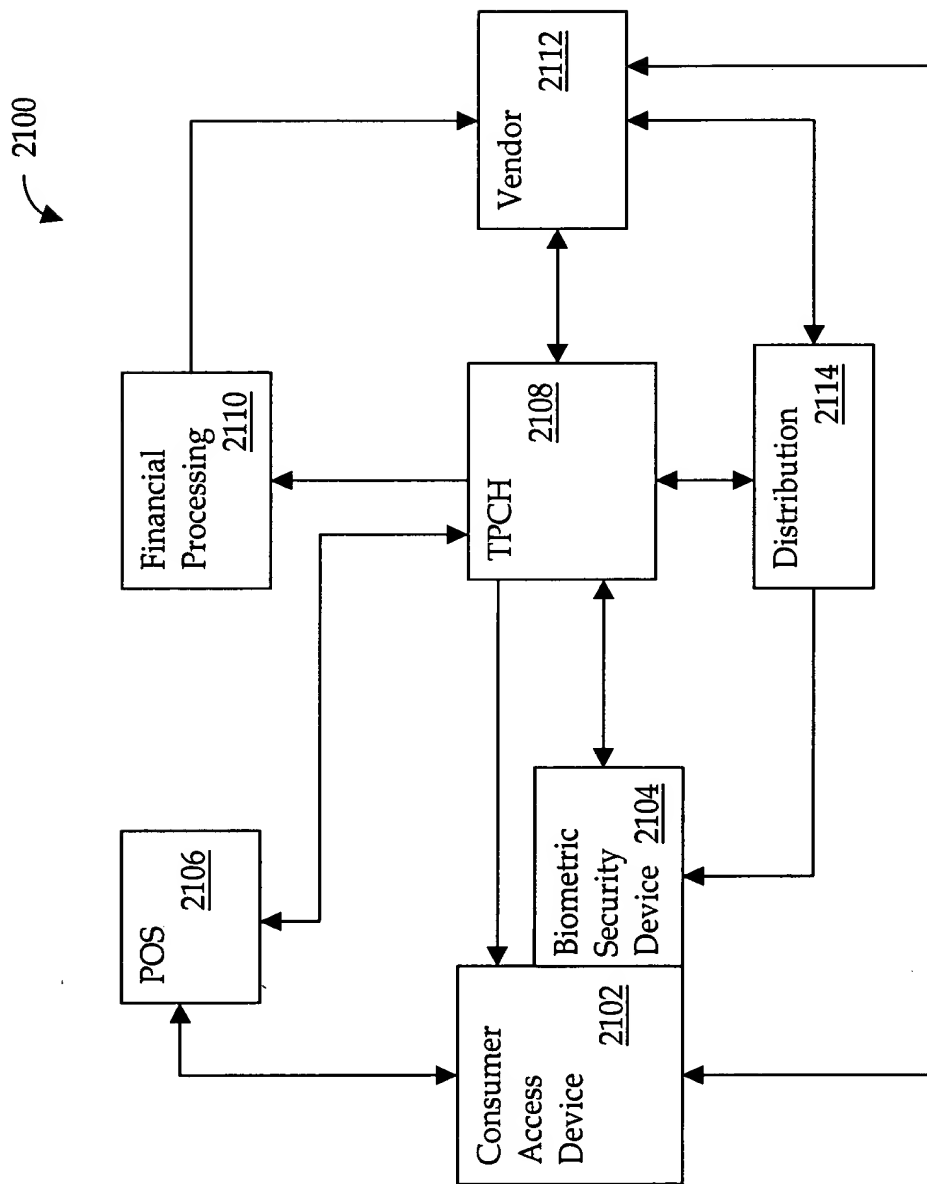


FIG. 21

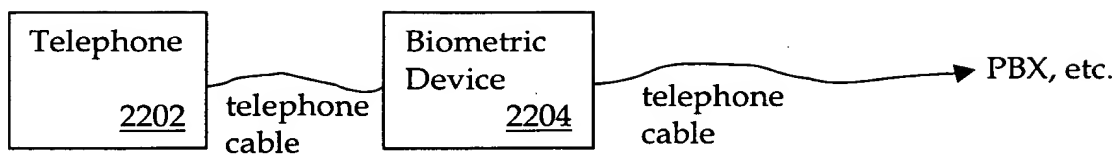


FIG. 22

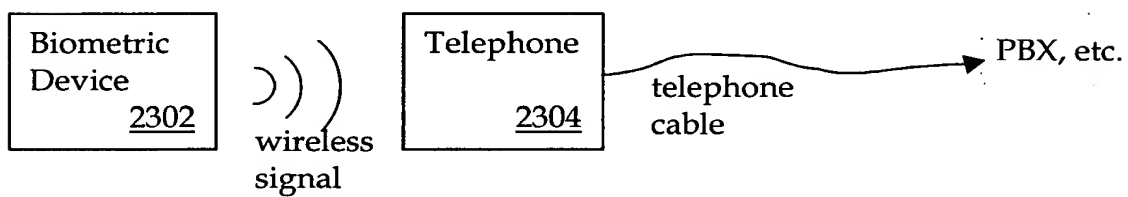


FIG. 23

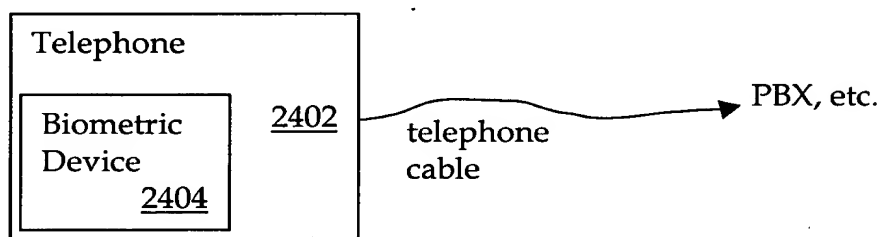


FIG. 24

2025 RELEASE

FIG. 25

+

2500

Phone number <u>2502</u>
ID value <u>2504</u>
Data <u>2506</u>

FIG. 25

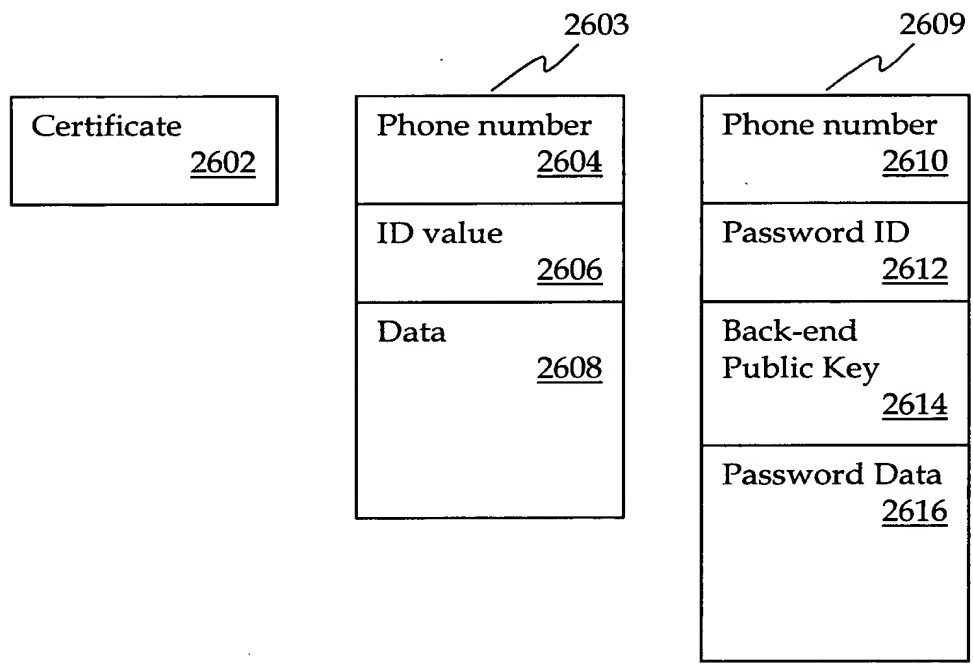


FIG. 26

+

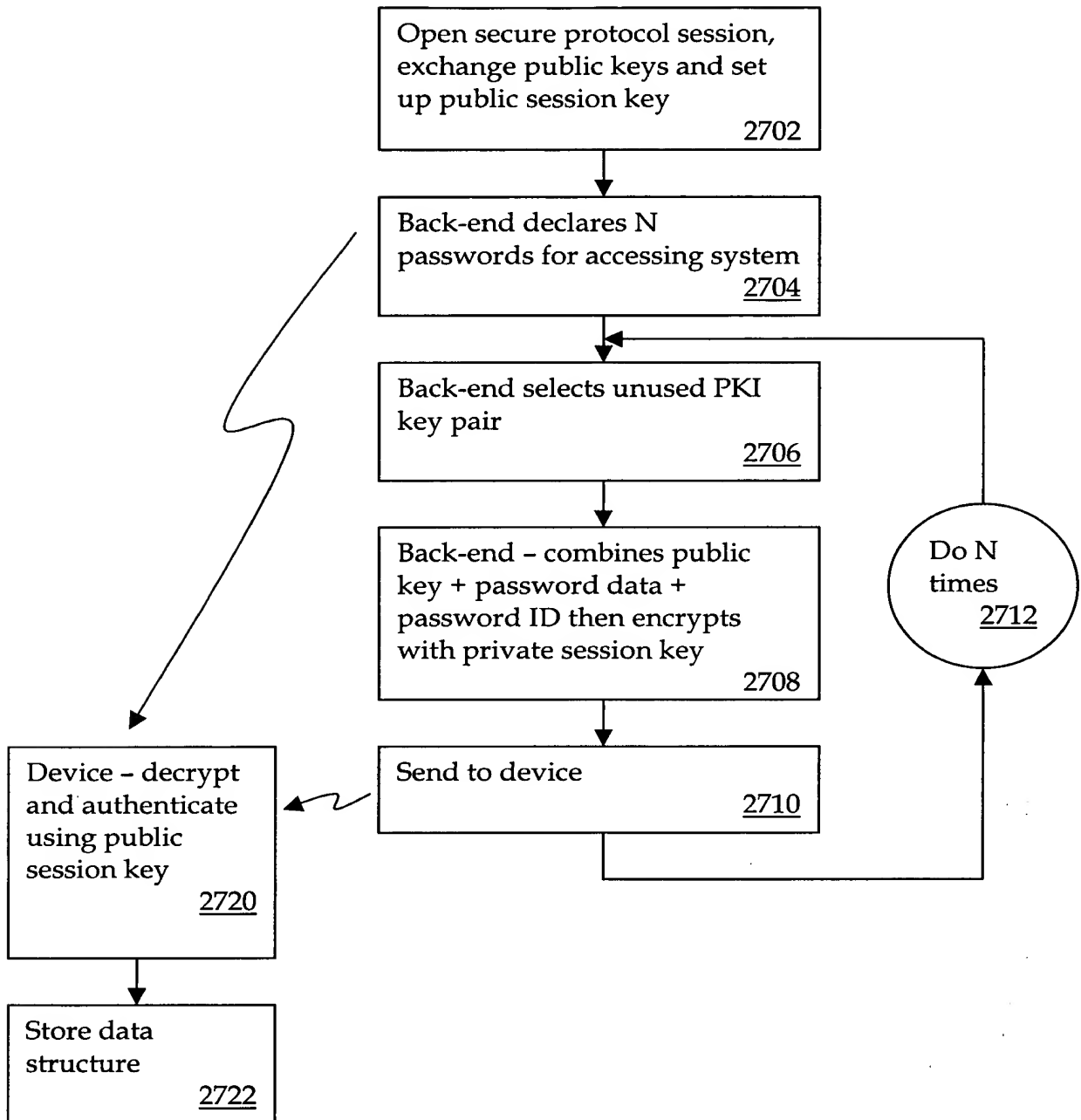


FIG. 27

00948305001
"05250" 6E84E260

+

What do you wish to do?

Access Dialing Code
View Balances
Credit cards

2804

FIU
2806

Touchpad
2808

2802

FIG. 28

What Dialing Code do you wish to use?

ATT
Union Bank
TD Waterhouse
Sprint

2904

FIU
2906

Touchpad
2908

2902

FIG. 29

+

TOP SECRET

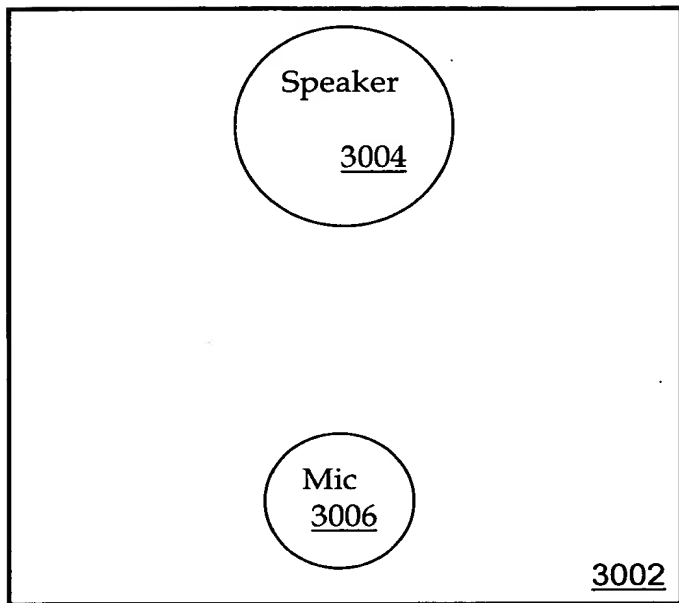


FIG. 30

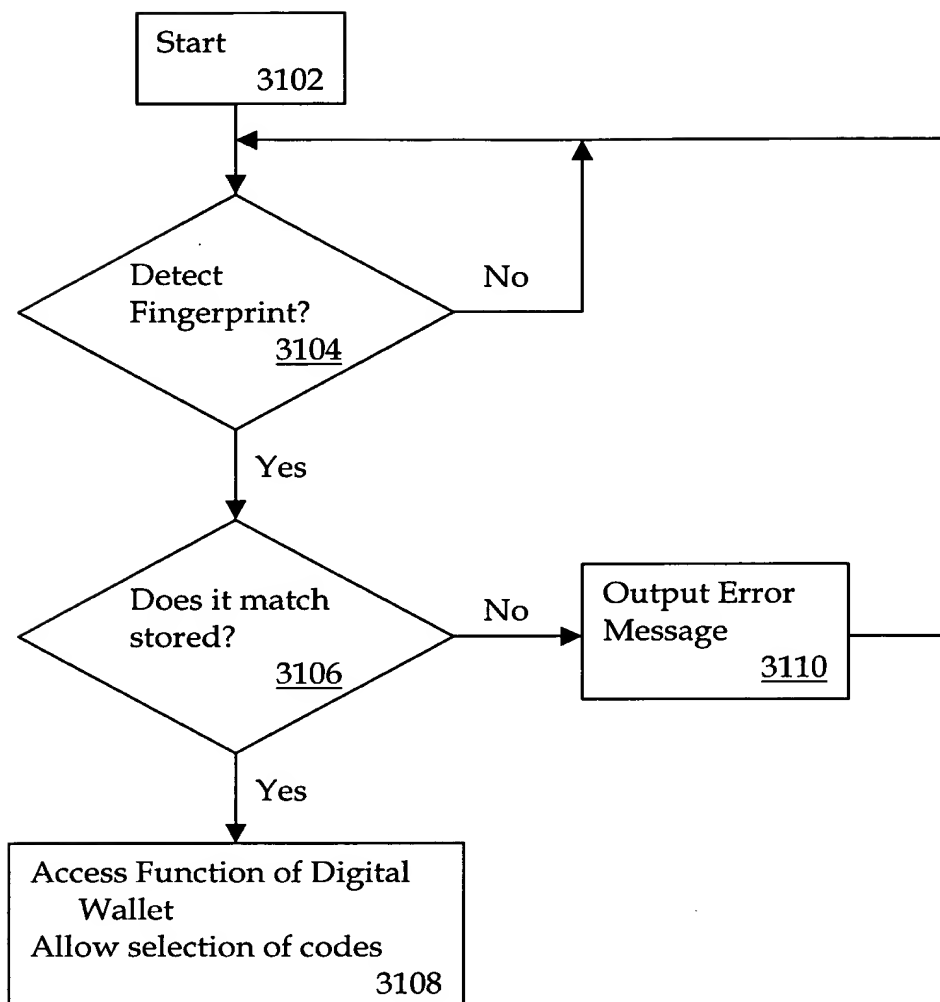


FIG. 31

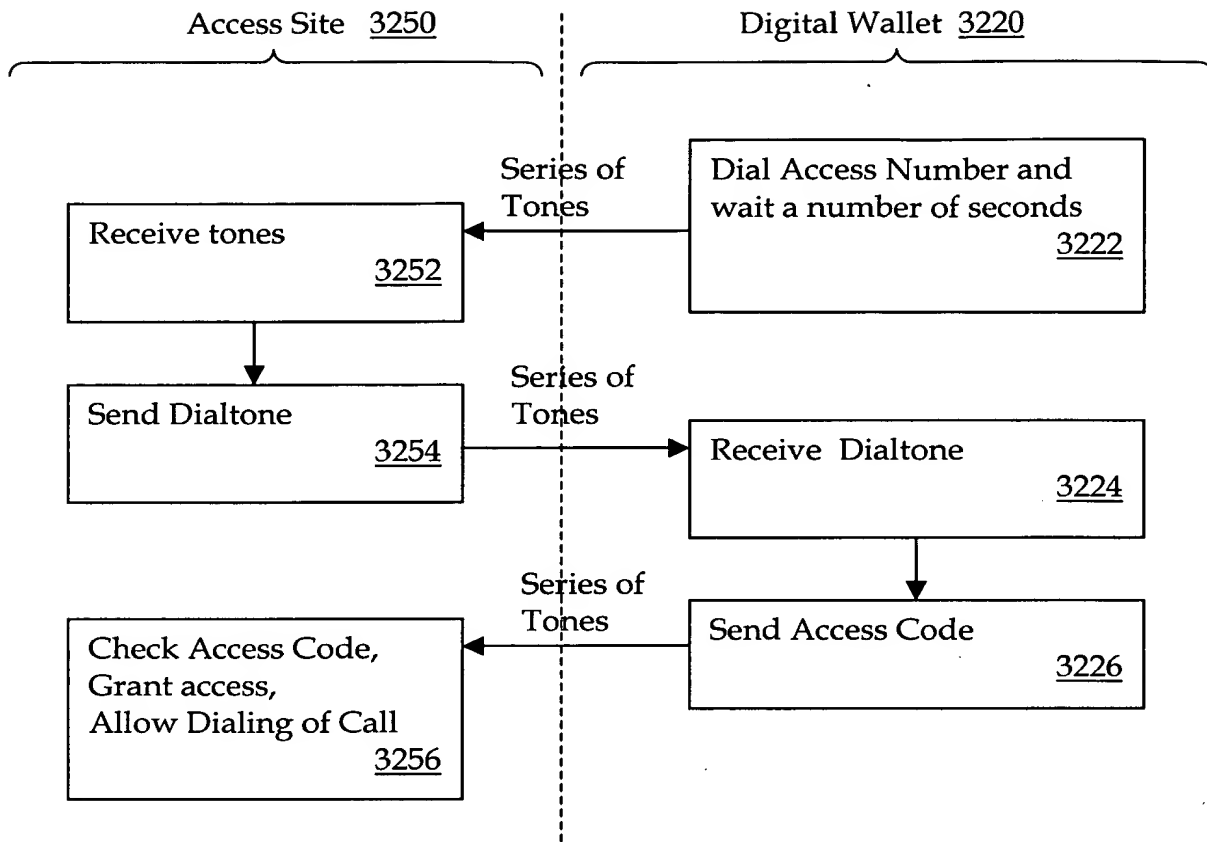


FIG. 32

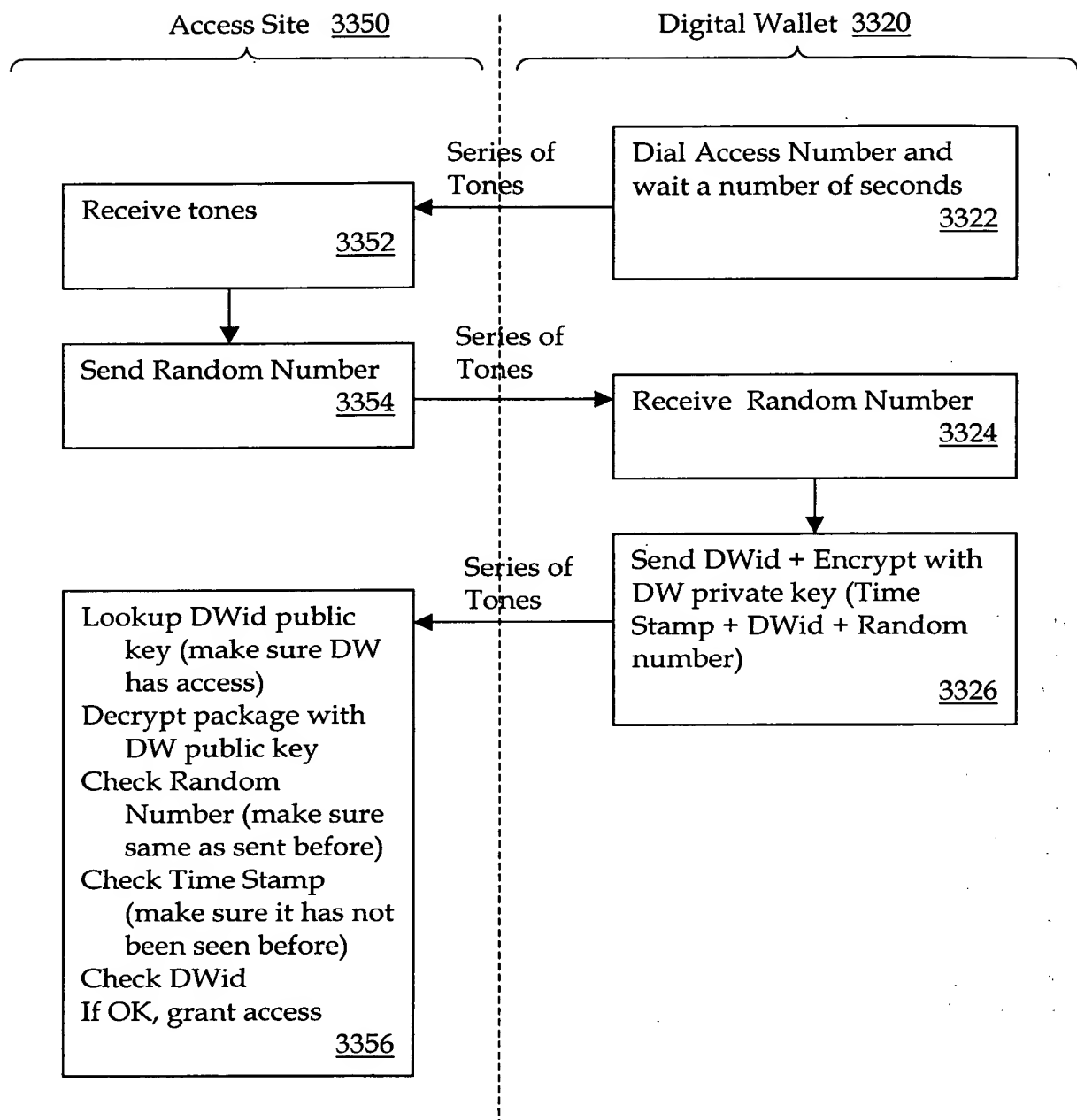


FIG. 33